

First Named Inventor	: Patrick A. Lichter, et al.	Group Art Unit:  Examiner:
Appln. No.	:	
Filed	: Herewith	
Title	: PERSONAL COMPUTER CARD FOR COLLECTION OF REAL-TIME BIOLOGICAL DATA	
Docket No.	: Q33.12-0012	

## INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The enclosed PTO Form-1449 lists patents and publications submitted pursuant to 37 C.F.R. 1.97. Copies of the patents or publications are enclosed as necessary [if application filing date is after June 30, 2003, copies of U.S. patents and application publications are not required].

This application relies, under 35 U.S.C. 120, on the earlier filing date of prior Application No. 09/666,878, filed on September 20, 2000. The following references, listed on the enclosed PTO Form 1449 were submitted to and/or cited by the Office in the prior application; therefore, under 37 C.F.R. 1.98(d), copies are not required to be provided herewith:

AA - CI

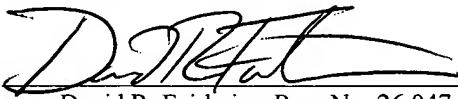
### TIME OF FILING

The Information Disclosure Statement is being filed:

1. X with the application or within three months of the filing date of a national application (other than a continued prosecution application under 37 C.F.R. 1.53(d)) or date of entry into the national stage of an international application or, to the best of the undersigned's knowledge, before the mailing date of a first Office action on the merits or a first office action after the filing of a request for continued examination under 37 C.F.R. 1.114, whichever event occurs last. In accordance with 37 C.F.R. 1.97(b), no certification or fee is required.

Respectfully submitted,

KINNEY & LANGE, P.A.

By: 

David R. Fairbairn, Reg. No. 26,047  
THE KINNEY & LANGE BUILDING  
312 South Third Street  
Minneapolis, MN 55415-1002  
Telephone: (612) 339-1863  
Fax: (612) 339-6580

<b>FORM PTO-1449</b>	Atty. Docket No.: Q33.12-0012	Application No.:
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor: Patrick A. Lichter, et al.	
	Filing Date: Herewith	Group Art:

## U.S. PATENT DOCUMENTS

Examiner Initials	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents
AA	3,921,147	11-18-1975	Fuhr et al.
AB	4,356,475	10-26-1982	Neumann, et al.
AC	4,905,709	3-06-1990	Bieganski, et al.
AD	5,275,159	1-04-1994	Griebel
AE	5,305,202	04-19-1994	Gallant, et al.
AF	5,307,263	04-26-1994	Brown
AG	5,501,231	03-26-1996	Kaish
AH	5,518,002	05-21-1996	Wolf, et al.
AI	5,549,115	08-27-1996	Morgan, et al.
AJ	5,562,101	10-08-1996	Hankinson, et al.
AK	5,564,432	10-15-1996	Thomson
AL	5,609,158	3-11-1997	Chan
AM	5,623,925	04-29-1997	Swenson, et al.
AN	5,661,538	8-26-1997	Carter
AO	5,687,717	11-18-1997	Halpern, et al.
AP	5,701,894	12-30-1997	Cherry, et al.
AQ	5,804,971	9-8-1998	Cumming et al.

## FOREIGN PATENT DOCUMENTS

	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Translation Yes No
AR	94117681.0	5/17/95	Peter Miller	X
AS				
AT				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	Steven L. Honor, William M. Holls II, and Paul B. Crilly, A Real-time System for Monitoring a Non-invasive and Invasive FECG, October 18-21, 1994, 204-209
AV	NASA Tech Briefs, The Latest Computer Hardware, Vol. 20 No. 6, June 1996, 92
AW	Richard F. Ferraro, LP-Pac Q Signal-Average ECG in a Package, January 29, 2003, 1,2,31,32
AX	Lorenzo Basano, et al., An Instrument for real-time spectral estimation of heart rate variability signals, 1995, 229-236
AY	About Nasiff Associates, April 16, 2003, 1
AZ	Nasiff Associates, Cardio-Card Resting Interpretive PC ECG, April 18, 2003, 1-4
BA	Nasiff Associates, Vitals - ECG,Blood Pressure, SpO2, Temperature, April 28, 2003, 1-4
BB	Nasiff Associates, Stress ECG, April 28, 2003, 1-4
BC	R.P.K.Ford, et al., HomeLog: Long-term recording of infant temperature, respiratory and cardiac signals in the home environment, J. Paediatr. Child Health , Suppl. 1, 1992, S26-32
BD	Y.Ziya Ider and Ali Oto, PC Based High Resolution ECG System, 1991IEEE, 665-668
BE	N. Pulido, et al., ECG Processing System To Integrate Data To Aid In Secondary Prevention Involving Post-Infarction Risk Patients, 1997 IEEE, 733-734
BF	Cheryl Ajluni, The World Of Sensors Bristles With Activity, Electronic Design/September 5, 1995, 85-88
BG	DAQCard-700 User Manual, Multifunction I/O Board for the PCMCIA Bus, January 1996 Edition
BH	Warren D. Smith, et al., LabVIEW Facilitates Interdisciplinary Team Projects in Graduate Biomedical Engineering Courses, September 9, 1999, 1-10
BI	G. Premalatha and C. Eswaran, Personal computer based cardiac monitor, Vol. 16 No. 6 1992, 311-320
BJ	Wolfgang Grossbach, Measuring the ECG Signal with a Mixed Analog-Digital Application-Specific IC, October 1991Hewlett-Packard Journal, 21-24
BK	Damjan Zazula, et al., Computer-assisted exercise ECG analysis: real-time scheduling within MS-DOS on PCs, Microprocessors and Microsystems Vol. 18 No. 9, November 1994, 523-535
BL	Chi C. Chen, et al., A Mobile Real-Time Bioengineering Front End System, Biomedical Sciences Instrumentation Vol. 29, 427-434
BM	J. Jossinet, et al., A Computerized Bioelectrical Cardiac Monitor, Comput. Biol. Med Vol. 20, No. 4, 1990, 253-260
BN	Cor. J. Kalkman, MD, PhD, LabVIEW: A Software System for Data Acquisition, Data Analysis, and Instrument Control, Journal of Clinical Monitoring, Vol. 11, No. 1, January 1995, 51-58
BO	J.S. Sahambi, et al., DSP Based Enhanced Data Acquisition System, Volume 31, April 11, 1995, 247-250
BP	Say YES to the BIOPAC MP100WS, IEEE Engineering In Medicine And Biology Magazine, Volume 10, Number 3, September 1991,
BQ	The MP100WS Beats All Competition!, IEEE Engineering In Medicine And Biology Magazine, Volume 12, Number 4, December 1993, Circle Number 6
BR	Stephen J. Bigelow, PC Cards, Electronics Now 66 31-6 June 1995, 1-8
BS	Caren D. Potter, PCMCIA Cards, The Scientist, August 21, 1995, 1-5

BT	Allen E. Tracht, Adapting laptops to data acquisition, IEEE Spectrum October 1993, 45-47
BU	John Novellino, Changing technology boosts data acquisition, Electronic Design, Test & Measurement Special Editorial Feature, June 26, 1995, 141, 142, 144
BV	Edward W. Bassett, PC Data Acquisition Now Smaller, Portable, July 1994 INTECH, 36-37
BW	Bert Haskell, Portable Electronics Packaging Technologies, IEEE Micro Volume 14, Number 5, 1994 IEEE, 72-78
BX	Tom DeSantis, Data Acquisition Plugs Into Notebook PCs, INTECH Applying Technology, Volume 40, Number 7, July 1993, 50-51
BY	David Potter, Portable PC-Based Data Acquisition - An Overview, 15-21
BZ	Sensors Magazine - 1995 Article Index, 1-4
CA	Electronic Engineering Times, MN - Minitex Statewide Database Access Program, Article 6, May 1, 1995, 1-2
CB	The Biomch-L Newsgroup, Biomch-L, 1-2 and 1-9
CC	Search Results: Biomch-L Archives, February 13, 2003, 1-2
CD	Data Logger Summary, February 13, 2002, 1-4
CE	technical help, February 13, 2003, 1 and 1-3
CF	Portable A/D System - Responses, February 13, 2003, 1-9
CG	Portable A/D Systems, February 13, 2003, 1-2
CH	Summary: Portable data recorders, February 13, 2003, 1-9
CI	Flexible science tool (Virtual Instruments), February 13, 2003, 1-5

EXAMINER:	DATE CONSIDERED:
-----------	------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.